

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Claude Thibodeau et al.

Serial No.: 10/550,748

Filed: September 23, 2005

For: STARCH NETWORKS AS ABSORBENT
OR SUPERABSORBENT MATERIALS
AND THEIR PREPARATION BY
EXTRUSION

Group Art Unit: 1711

Examiner: Unknown

Atty. Dkt. No.: BRKP:004US

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NUMBER	EV 603374153 US
DATE OF DEPOSIT	November 9, 2006

INFORMATION DISCLOSURE STATEMENT

MS PCT

Commissioner for Patents

P.O. Box 1450

Alexandria, Virginia 22313-1450

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents required by 37 C.F.R. § 1.98(a)(2) are enclosed for the convenience of the Examiner.

In accordance with 37 C.F.R §§ 1.97(g), (h), this Information Disclosure Statement is not to be construed as a representation that a search has been made, and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

The present Information Disclosure Statement is being filed prior to the receipt of a first Official Action reflecting an examination on the merits, and hence is believed to be timely filed in accordance with 37 C.F.R § 1.97(b). No fees are believed to be due in connection with the filing of this Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to these materials, the Commissioner is authorized to deduct the appropriate fees from Fulbright & Jaworski Deposit Account No.: 50-1212/BRKP:004US.

Applicants respectfully request that the listed documents be made of record in the present case.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael R. Krawzsenek", with a stylized flourish at the end.

Michael R. Krawzsenek
Reg. No. 51,898
Attorney for Applicants

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Date: November 9, 2006

Form PTO-1449 (modified)		Atty. Docket No. BRKP:004US	Serial No. 10/550,748
List of Patents and Publications for Applicant's INFORMATION DISCLOSURE STATEMENT (Use several sheets if necessary)		Applicant Claude Thibodeau et al.	
		Filing Date: September 23, 2005	Group: Unknown
U.S. Patent Documents <i>See Page 1</i>	Foreign Patent Documents <i>See Page 2</i>	Other Art <i>See Page 3</i>	

U.S. Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Name	Class	Sub Class	Filing Date of App.
	A1	2001/0007665	07/12/01	Illum <i>et al.</i>	424	400	10/30/98
	A2	2002/0037352	03/28/02	Messenger <i>et al.</i>	426	549	09/24/01
	A3	2002/0090446	07/11/02	Jeffcoat <i>et al.</i>	426	661	01/07/02
	A4	2003/0008049	01/09/03	Wilson <i>et al.</i>	426	549	01/02/01
	A5	2003/0027901	02/06/03	Richardson <i>et al.</i>	524	47	05/13/02
	A6	2003/0143277	07/31/03	Ameye <i>et al.</i>	424	487	01/31/02
	A7	2003/0180430	09/25/03	Fryirs	426	589	03/07/03
	A8	3,345,358	10/03/67	Inklaar	536	106	01/10/64
	A9	3,951,947	04/20/76	Schanefelt <i>et al.</i>	536	106	09/17/74
	A10	4,098,997	07/04/78	Tessler	536	106	01/21/77
	A11	4,117,222	09/26/78	Holst <i>et al.</i>	536	50	07/28/77
	A12	4,219,646	08/26/80	Rubens	536	109	03/19/79
	A13	4,369,308	01/18/83	Trubiano	536	106	07/24/81
	A14	4,452,978	06/05/84	Eastman	536	111	11/19/82
	A15	4,454,055	06/12/84	Richman <i>et al.</i>	252	194	08/25/80
	A16	4,973,447	11/27/90	Seib <i>et al.</i>	426	549	03/01/90
	A17	5,079,354	01/07/92	Gross <i>et al.</i>	536	111	10/27/89
	A18	5,187,272	02/16/93	Katcher <i>et al.</i>	536	102	01/21/92
	A19	5,221,733	06/22/93	Koskan <i>et al.</i>	530	333	02/22/91
	A20	5,342,932	08/30/94	Katcher <i>et al.</i>	536	102	07/15/93
	A21	5,367,068	11/22/94	Lane <i>et al.</i>	536	124	11/25/92
	A22	5,470,968	11/28/95	Katcher <i>et al.</i>	536	102	08/30/94
	A23	5,612,384	03/18/97	Ross <i>et al.</i>	521	64	09/13/94

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EXAMINER:**DATE CONSIDERED:**

EXAMINER: INITIAL IF REFERENCE CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED. INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.

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	A24	5,720,822	02/24/98	Jeffcoat <i>et al.</i>	127	65	06/07/95
	A25	6,001,408	12/14/99	Dudacek <i>et al.</i>	426	516	10/13/95
	A26	6,010,574	01/04/00	Jeffcoat <i>et al.</i>	127	65	10/28/97
	A27	6,218,532	04/17/01	Mark <i>et al.</i>	536	124	12/20/99
	A28	6,261,376	07/17/01	Jeffcoat <i>et al.</i>	127	65	11/10/99
	A29	6,358,580	03/19/02	Mang <i>et al.</i>	428	35.7	07/07/00
	A30	6,413,567	07/02/02	Dudacek <i>et al.</i>	426	578	09/08/00
	A31	6,488,980	12/03/02	Jeffcoat <i>et al.</i>	426	661	09/23/97
	A32	6,541,060	04/01/03	Jeffcoat <i>et al.</i>	426	578	01/07/02

Foreign Patent Documents

Exam. Init.	Ref. Des.	Document Number	Date	Country	Language
	B1	CA 2,308,537	11/11/00	Canada	English
	B2	CA 2,362,006	05/10/02	Canada	English
	B3	CA 2,426,478	10/24/03	Canada	English
	B4	EP 0000247	08/04/82	Europe	English
	B5	EP 0769501	06/12/02	Europe	English
	B6	EP 0799837	10/08/97	Europe	English
	B7	EP 0900807	03/10/99	Europe	English
	B8	EP 1176255	01/30/02	Europe	English
	B9	GB 1554002	10/17/79	England	English
	B10	GB 1576475	10/08/80	England	English
	B11	GB 2043668	10/08/80	England	English

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Exam. Init.	Ref. Des.	Document Number	Date	Country	Language
	B12	NL 9100249	09/01/92	Netherlands	English Abstract
	B13	WO 00/05973	02/10/00	WIPO	English
	B14	WO 00/21581	04/20/00	WIPO	English
	B15	WO 00/35504	06/22/00	WIPO	English
	B16	WO 01/19404	03/22/01	WIPO	English
	B17	WO 02/088188	11/07/02	WIPO	English
	B18	WO 97/00620	01/09/97	WIPO	English
	B19	WO 98/35992	08/20/98	WIPO	English
	B20	WO 99/31167	06/24/99	WIPO	English
	B21	WO 99/64508	12/16/99	WIPO	English

Other Art (Including Author, Title, Date Pertinent Pages, Etc.)

Exam. Init.	Ref. Des.	Citation
	C1	Buchholz and Graham, "Modern superabsorbant polymer technology," Wiley-VCH, New York, 147:239-241, 1998.
	C2	Chang <i>et al.</i> , "Preparation of starch phosphates by extrusion," <i>J. Food Sci.</i> , 57:203-205, 1992.
	C3	Edana, "Determination of fluid retention capacity in saline after centrifugation," Method 441.2-02, EDANA, Brussels, 2002.
	C4	Edana, "Free-swell capacity by gravimetric determination," Method 440.2-02, EDANA, Brussels, 2002.
	C5	Hirsch and Kokini, "Understanding the mechanism of cross-linking agents through swelling behavior and pasting properties of cross-linked waxy maize starches," <i>Cereal Chem.</i> , 79:102-107, 2002.
	C6	Kim <i>et al.</i> , "Effects of phosphorylating salts and temperature on the preparation of rice starch phosphates by extrusion," <i>Starch/Stärke</i> , 8-9:280-286, 1999.

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Exam. Init.	Ref. Des.	Citation
	C7	Kulicke <i>et al.</i> , "Swelling and rheological studies of some starch hydrogels," <i>Starch/Starke</i> , 41:140-146, 1989.
	C8	Nabeshima <i>et al.</i> , "Functional properties of pregelatinized and cross linked cassava starch obtained by extrusion with sodium trimetaphosphate," <i>Carbohydr. Polym.</i> , 45:347-353, 2001.
	C9	Narkruga <i>et al.</i> , <i>Starch/Starke</i> , 44:81-90, 1992 (Abstract).
	C10	Riccardo, "Water-absorbant polymers: A patent survey," <i>J. Macromol. Sci. Rev. Macromol. Chem. Phys.</i> , 34:607-662, 1994.
	C11	Salay <i>et al.</i> , "Production and properties of starch phosphates produced by the extrusion process," <i>Starch/Starke</i> , 42:15-17, 1990.
	C12	Whistler <i>et al.</i> , "Starch: Chemistry and Technology," Academic Press, Orlando, pp. 287, 1984.
	C13	Xanthos, "Reactive extrusion: principles and practice," Hanser Publisher, New York, 1992.

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